

Title (en)

METHOD FOR SEISMIC QUALIFICATION OF GENSET COMPONENTS

Title (de)

VERFAHREN ZUR SEISMISCHEN QUALIFIZIERUNG VON GENSET-KOMPONENTEN

Title (fr)

PROCÉDÉ DE QUALIFICATION SISMIQUE DE COMPOSANTS DE GROUPE ÉLECTROGÈNE

Publication

EP 3631518 A1 20200408 (EN)

Application

EP 17729175 A 20170524

Priority

FI 2017050392 W 20170524

Abstract (en)

[origin: WO2018215689A1] The method for seismic qualification of a component of a genset (10) comprises the steps of determining a Required Response Spectrum (RRS) for the component (101), running the genset (10) through a seismic test cycle in a normal configuration and determining a Reference Response Spectrum (Ref-RS) for the component (102), forming a seismic test configuration so that the genset (10) is subjected to an excitation not encountered when running the genset (10) in the normal configuration (103), running the genset (10) through the seismic test cycle in the seismic test configuration and determining a Test Response Spectrum (TRS) for the component (104), on the basis of the TRS and the Ref-RS, determining a Modification Response Spectrum (MRS) representing vibrations induced by modification to the seismic test configuration (105), and comparing the MRS to the RRS (106).

IPC 8 full level

G01V 1/00 (2006.01); **G01M 15/12** (2006.01); **G01N 29/14** (2006.01)

CPC (source: EP)

G01M 7/00 (2013.01); **G01M 15/12** (2013.01); **G01V 1/01** (2024.01); **F02B 63/044** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2018215689 A1 20181129; EP 3631518 A1 20200408; EP 3631518 B1 20210428

DOCDB simple family (application)

FI 2017050392 W 20170524; EP 17729175 A 20170524